

## DESCRIPTION

# M&H POST TYPE HYDRANT

- ◆ Style 33
- ◆ Style 133
- ◆ Style 233

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Post type hydrants are special purpose hydrants for use where fire fighting is not the primary function. They are smaller in size than standard AWWA hydrants and are furnished with main valve opening diameter of 2-1/4". They are most often used for wash down service at treatment plants. Other uses may be in water systems to flush, bleed air, or fill tank trucks in non-emergency service. Although the 2 1/4" post type model is not recognized by AWWA C502 standards for dry barrel fire hydrants, they are nonetheless manufactured to the same strict quality of materials and workmanship as full size M&H hydrants. Rated working pressure is 150 psi and each hydrant is hydrostatically tested to 300 psi.

Available options for hose nozzles configurations:

- Style 33      Post hydrant has 1-2 1/2" hose nozzle
- \*Style 133    Post hydrant has 1-1 1/2" hose nozzle
- \*Style 233    Post hydrant has 2-1 1/2" hose nozzles

\*Note: Consult factory for availability of custom hose nozzle sizes.

Available options for shoe inlet connections:

- 2" or 3" Mechanical Joint
- 2" Screwed joint

## SUGGESTED SPECIFICATIONS (1 of 2)

# M&H 2 1/4" POST TYPE HYDRANT

- ◆ Style 33
- ◆ Style 133
- ◆ Style 233

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### GENERAL

Post Type Hydrants shall comply, where applicable, with AWWA Standard C-502, latest revision. Post Hydrants shall be of the compression type, with the main valve opening against the pressure and closing with the pressure. The main valve opening shall be 2 1/4" diameter. Post Hydrants shall be of a dry barrel design.

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### RATING

Post Hydrants shall be rated at 150 psi water working pressure, tested at 300 pounds hydrostatic for structural soundness in the following manner; 300 pound hydrostatic test supplied from the inlet side, first with the main valve open for the testing of the drain valves and hydrant barrel.

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### END

### CONFIGURATION

Hydrants shall be connected to the main by a ((specify One) 2", 3") mechanical joint or screwed end shoe. Mechanical joint shoes shall be fitted with strapping lugs.

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### DESIGN

Hydrants shall be constructed of ASTM A-126. The main valve facing of the hydrant shall be made of rubber.

The bottom stem treads of the main valve rods shall be fitted with a bronze acorn nut, or suitable means, for sealing the threads away from the water.

Hose nozzles shall be threaded and screwed into the nozzle section and then mechanically locked to prevent turning.

Hose cap(s) shall be individually chained to the hydrant.

The hydrant shall be so designed that when it is in place, no excavation will be required to remove the main valve assembly.

The operating threads of the hydrant shall be so designed as to avoid the working of any iron or steel parts against either iron or steel. The operating stem and operating nut threads shall be square or acme type.

Bonnet shall be weather proof, free draining, and of a type that will maintain the operating mechanism in readiness for use under freezing conditions.

The operating nut shall be provided with a convenient means to afford lubrication to insure ease of operating and the prevention of wear and corrosion. Hydrants shall be of dry barrel type. Hydrant shoe shall have two positive acting non-corrodible drain valves that shall drain the hydrant completely by opening when the main valve is closed, and also to close tightly when the main valve is open.

All like parts of hydrants of the same size and model produced by the same manufacturer shall be interchangeable.

Hydrants shall open by turning to the (specify one (left or right)).

# M&H 2 1/4 POST HYDRANT

ITEM#	QTY	DESCRIPTION	MATERIAL
1	1	HYDRANT SHOE/ELBOW	CAST IRON, ASTM A-126, CLASS B
2	1	STAND PIPE	DUCTILE IRON PIPE
3	1	NOZZLE SECTION	CAST IRON, ASTM A-126, CLASS B
4	1	BONNET	CAST IRON, ASTM A-126, CLASS B
5	1	MAIN VALVE ROD	STEEL C1117 HFS
6	1	OPERATING NUT	BRONZE ALLOY CDA 84400,ASTM B-584
7	1	LUBRICATION SCREW	BRASS
8	1	BONNET/OPERATING NUT O-RING	N.B.R.
9	1	HOLD DOWN NUT	BRONZE ALLOY CDA 84400,ASTM B-584
10	4	BONNET BOLTS	ELECTRO ZINC PLATED STEEL
11	4	BONNET NUTS	ELECTRO ZINC PLATED STEEL
12	1	BONNET GASKET	NON-ASBESTOS
13	*	HOZE NOZZLE	BRONZE ALLOY CDA 84400,ASTM B-584
14	*	HOZE NOZZLE SET SCREW	18-8 SS, ASTM F-593 GROUP 1
15	*	HOZE NOZZLE CAP	CAST IRON, ASTM A-126, CLASS B
16	*	HOZE NOZZLE CAP GASKET	RUBBER ASTM D2000
17	*	CHAIN	ELECTRO ZINC PLATED STEEL
18	1	STANDPIPE GASKET	NON-ASBESTOS
19	4	GROUND LINE STANDPIPE BOLTS & NUTS	18-8 STAINLESS STEEL
20	1	UPPER DRAIN VALVE	BRONZE
21	1	LOWER VALVE PLATE/BOTTOM PLATE	CAST IRON ASTM A-126, CLASS B
22	1	MAIN VALVE RUBBER SEAT	RUBBER
23	1	MAIN VALVE ACORN NUT	BRASS
24	1	BRONZE MAIN VALVE SEAT RING	BRONZE ALLOY CDA 84400,ASTM B-584
25	2	MAIN VALVE SEAT O-RINGS	N.B.R.
26	1	DRAIN VALVE FACINGS	EPDM
27	2	DRAIN VALVE RIVET	ALUMINUM
28	1	STEM PIN/VALVE ROD LOCK PIN	304 STAINLESS STEEL
29	1	HOZE NOZZLE O-RING	N.B.R.
30	1	OPERATING NUT HOLD DOWN O-RING	N.B.R.
31	1	LUBRICATING PLUG	STEEL
32	4	SHOE / ELBOW BOLTS & NUTS	18-8 STAINLESS STEEL
33	2	FLANGED LUG (HALF)	DUCTILE IRON
34	1	LOWER O-RING STEM SEAL	BUNA-N
35	1	1/4in DRAIN HOLE	-----

\* VARIES BY STYLE NUMBER  
 MAIN VALVE SIZE AVAILABLE: 2 1/4

MEETS OR EXCEEDS AWWA C502

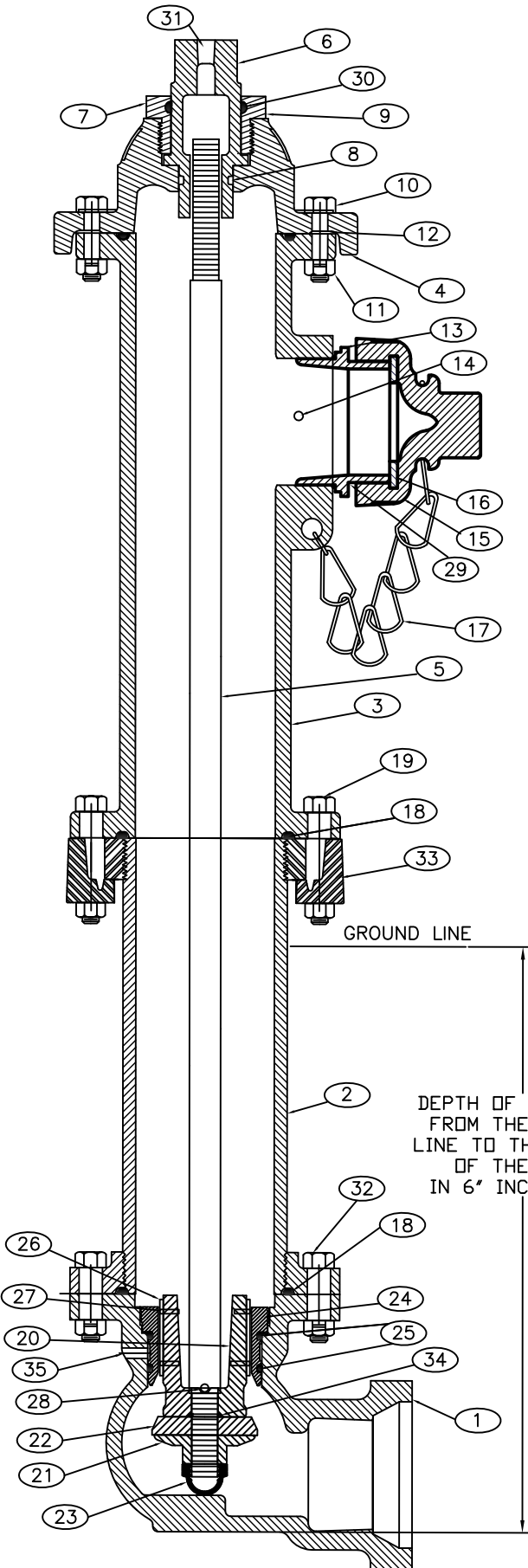
150 PSI WORKING PRESSURE AWWA  
 300 PSI HYDROSTATIC TEST PRESSURE

HYDRANT SHOE STYLES AVAILABLE:  
 2" or 3" - MECHANICAL JOINT  
 2"- THREADED JOINT

STYLE 33 - Post Hydrant with 1- 2 1/2" nozzle  
 STYLE 133 - Post Hydrant with 1- 1 1/2" nozzle  
 STYLE 233 - Post Hydrant with 2- 1 1/2" nozzles

DEPTH OF TRENCH -  
 FROM THE GROUND  
 LINE TO THE BOTTOM  
 OF THE SHOE  
 IN 6" INCREMENTS

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	DATE: 11/2014
	DWG. NO. FH-POST



M&H 2 1/4 POST HYDRANT w/ 2-WAY NOZZLE SECTION

ITEM#	QTY	DESCRIPTION	MATERIAL
1	1	HYDRANT SHOE/ELBOW	CAST IRON, ASTM A-126, CLASS B
2	1	STAND PIPE	DUCTILE IRON PIPE
3	1	NOZZLE SECTION- 2 WAY	CAST IRON, ASTM A-126, CLASS B
4	1	BONNET	CAST IRON, ASTM A-126, CLASS B
5	1	MAIN VALVE ROD	STEEL C1117 HFS
6	1	OPERATING NUT	ECO BRASS, ALLOY C87850
7	1	LUBRICATION SCREW	BRASS
8	1	BONNET/OPERATING NUT O-RING	N.B.R.
9	1	HOLD DOWN NUT	ECO BRASS, ALLOY C87850
10	4	BONNET BOLTS	ELECTRO ZINC PLATED STEEL
11	4	BONNET NUTS	ELECTRO ZINC PLATED STEEL
12	1	BONNET GASKET	NON-ASBESTOS
13	2	1-1/2" HOZE NOZZLE*	ECO BRASS, ALLOY C87850
14	2	HOZE NOZZLE SET SCREW*	18-8 SS, ASTM F-593 GROUP 1
15	2	1-1/2" HOZE NOZZLE CAP*	CAST IRON, ASTM A-126, CLASS B
16	2	1-1/2" HOZE NOZZLE CAP GASKET*	RUBBER ASTM D2000
17	2	CHAIN*	ELECTRO ZINC PLATED STEEL
18	1	STANDPIPE GASKET	NON-ASBESTOS
19	8	GROUND LINE STANDPIPE BOLTS & NUTS	18-8 STAINLESS STEEL
20	1	UPPER DRAIN VALVE	BRONZE
21	1	LOWER VALVE PLATE/BOTTOM PLATE	CAST IRON ASTM A-126, CLASS B
22	1	MAIN VALVE RUBBER SEAT	RUBBER
23	1	MAIN VALVE ACORN NUT	BRASS
24	1	BRONZE MAIN VALVE SEAT RING	ECO BRASS, ALLOY C87850
25	2	MAIN VALVE SEAT O-RINGS	N.B.R.
26	1	DRAIN VALVE FACINGS	EPDM
27	2	DRAIN VALVE RIVET	ALUMINUM
28	1	STEM PIN/VALVE ROD LOCK PIN	304 STAINLESS STEEL
29	1	HOZE NOZZLE O-RING	N.B.R.
30	1	OPERATING NUT HOLD DOWN O-RING	N.B.R.
31	1	LUBRICATING PLUG	STEEL
32	1	SHOE / ELBOW BOLTS & NUTS	18-8 STAINLESS STEEL
33	1	1/4in. DRAIN HOLE	-----

\*OTHER NOT SHOWN FOR CLARITY

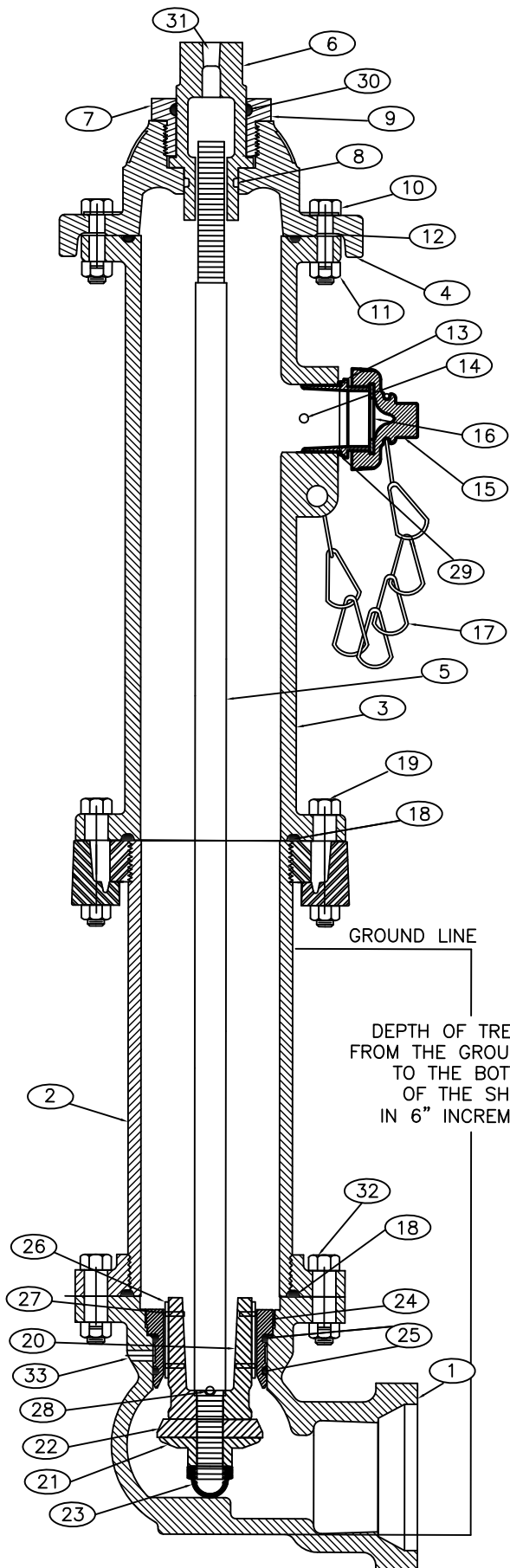
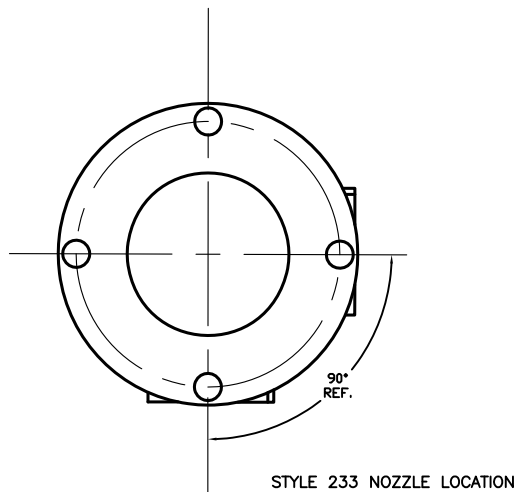
MAIN VALVE SIZE AVAILABLE: 2 1/4

MEETS OR EXCEEDS AWWA C502

150 PSI WORKING PRESSURE AWWA  
300 PSI HYDROSTATIC TEST PRESSURE

HYDRANT SHOE STYLES AVAILABLE:  
2" or 3" - MECHANICAL JOINT  
2" - THREADED JOINT

STYLE 33 - Post Hydrant with 1- 2 1/2" nozzle  
STYLE 133 - Post Hydrant with 1- 1 1/2" nozzle  
STYLE 233 - Post Hydrant with 2- 1 1/2" nozzles



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